



U.S. ARMY CHEMICAL
MATERIALS AGENCY

FACT SHEET

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Pueblo Chemical Depot

Chemical Agent Monitoring

Real Time Analytical Platform (RTAP)

The Real Time Analytical Platform (RTAP) is a self-contained mobile monitoring and detection system. Pueblo Chemical Depot (PCD) RTAPs use gas chromatographs called Miniature Continuous Air Monitoring Systems (MINICAMS®) that can detect agent within 6-9 minutes.

The RTAP can detect chemical agent vapors at levels lower than those that would cause effects to unprotected persons. These levels are equal to the Department of Health and Human Services requirements to which unmasked workers can be exposed to agent for a forty-hour work week with no harmful effects.

The RTAP is used to support personnel with real-time monitoring requirements for blister agent storage operations. The units are also used to support Chemical Stockpile Emergency Preparedness Program requirements.

Proper operation of the RTAP is verified using strict quality control procedures.



RTAP monitoring a chemical agent igloo.



For more information,
contact the
**Pueblo Chemical
Stockpile Outreach Office**
104 W. B Street
Pueblo, CO 81003
Phone: (719) 546-0400

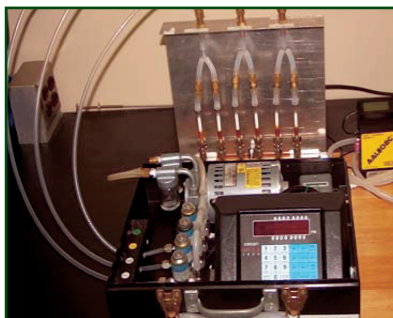
or contact the
Public Affairs Office
(719) 549-4135
usarmy.pueblo.usamc.mbx.pcd-pao@mail.mil

or the
CMA Public Affairs Office
(800) 488-0648



MINICAMS

PCD primarily uses the MINICAMS®. These near real-time monitors sample the air every six to nine minutes and are capable of 24 hour operation when monitoring igloos. Near-real-time data collection is the ability to collect data automatically on demand and have the data delivered and analyzed quickly enough to affect monitoring and control decisions. MINICAMS® are very sensitive and can detect extremely low levels of chemical agent vapor by using a process called gas chromatography.



DAAMS

The Depot Area Air Monitoring System (DAAMS) continually samples the air for chemical agent vapor by drawing the air through glass tubes and trapping any chemical agent vapors in a special material. Sampling times vary from as few as 30 minutes to 12 hours. These tubes are collected and analyzed within 72 hours.